

SECTION C-C

¾" x 4" SLOTTED HOLE IN BOTTOM OF RAIL TUBE

OF RAIL TUBE (TYP.)

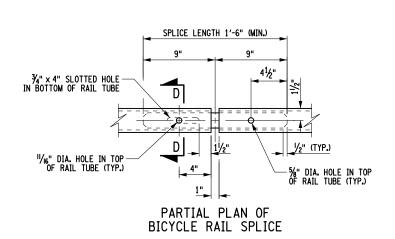
SEE NOTE "A"

Dl

SPLICE LENGTH 1'-6" MIN.

PARTIAL PLAN OF BICYCLE RAIL SPLICE AT EXPANSION JOINT

\_(SEE NOTE "A")



NOTES:

ALL RAILING TO BE FABRICATED AND ERECTED SO THAT THE RAILS

BASE PLATES SHALL BE PERPENDICULAR TO THE POSTS UNLESS OTHERWISE NOTED. BASE PLATES SET LEVEL BUT ON A SLOPED SUPPORTING SURFACE WILL BE SUPPORTED BY MORTAR PADS OF VARYING THICKNESS (1" MINIMUM).

TUBULAR STEEL RAILS, POSTS, BASE PLATES, ANCHOR STUDS, NUTS, WASHERS, RAILING JOINT ASSEMBLIES AND ANY NECESSARY SHIMS SHALL BE PAID FOR UNDER THE BICYCLE RAILING ITEM.

RAILS SHALL SPAN A MINIMUM OF 2 POSTS.

POSTS SHALL BE A MAXIMUM OF 10'-0" ON CENTER.

RAIL POST SHALL BE ERECTED TO PROPER LINE AND GRADE BEFORE THE MORTAR PAD UNDER POST IS POURED. MORTAR PADS WILL BE PAID FOR UNDER THE RAILING ITEM.

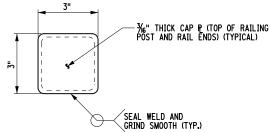
THE ANCHOR STUDS SHALL BE DRILLED AND GROUTED INTO CONCRETE A MINIMUM OF 8" AND A MAXIMUM OF 10" IN ACCORDANCE WITH THE DRILLING & GROUTING BOLTS OR REINFORCING BARS ITEM. AS AN OPTION, THE CONTRACTOR MAY CAST THE ANCHOR STUDS INTO THE BARRIER AT NO ADDITIONAL COST TO THE STATE.

AFTER THE ANCHOR STUD NUTS HAVE BEEN PLACED AND TIGHTENED TO THE SATISFACTION OF THE ENGINEER, THE STUDS SHALL BE FLAME CUT OFF 1" ABOVE THE NUT AND THE FIRST THREAD ABOVE THE NUT SHALL BE DAMAGED, IN A MANNER SATISFACTORY TO THE ENGINEER.

RAILING COMPONENTS ARE TO BE GALVANIZED IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.

PRIOR TO GALVANIZING, GRIND ALL SHARP EDGES TO A MINIMUM RADIUS OF  $V_{16}$ ".

REPAIRS TO ALL DAMAGED GALVANIZED SURFACES, INCLUDING ANCHOR STUDS, SHALL BE MADE IN ACCORDANCE WITH MATERIAL SPECIFICATION 719-01.



CAP PLATE DETAIL (TYPICAL FOR TOP OF RAIL POSTS AND RAIL ENDS)

NOTE: END CAPS FOR RAILING ARE TO BE USED ONLY WHERE THE RAIL TERMINATES AND AT THE TOPS OF ALL RAILING POSTS.

NOTE TO DESIGNER:

THE DETAILS SHOWN CAN BE USED WHERE BICYCLE TRAFFIC IS ADJACENT TO A CONCRETE TRAFFIC BARRIER.

NOTE "A":

FOR EXPANSION JOINT "A" = MAXIMUM JOINT OPENING IN THE DECK + 1/4" AND SPLICE LENGTH = 1'-5" + "A"

REVISED	NEW YORK STATE OF OPPORTUNITY.	Department of Transportation Office of Structures
ERRATA	BICYCLE RAILING ATTACHED TO CONCRETE TRAFFIC BARRIER	
12/20/16	APPROVED: 12/20/16 ORIGINAL SIGNED BY RICHARD MARCHIONE, P. DEPUTY CHIEF ENGINEI (STRUCTURES)	

11/2"

SECTION B-B

−¢ OF POST

- © OF ¾" DIA. HOLE FOR ¾" DIA. ANCHOR STUD WITH 2 WASHERS AND 2 NUTS (4 REQ'D.)

15/16"\_

2<sup>13</sup>/16